bio-protocol Preprint

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Construction, expression, and purification of LbCas12a protein

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Updated date: Sep 29, 2021

An abbreviated version of this protocol was published in Science Advances in Jan 2021

A CRISPR-Cas autocatalysis-driven feedback amplification network for supersensitive DNA diagnostics

DOI: 10.1126/sciadv.abc7802

Detailed protocol

Amino acid sequence of Lbcas12a:

MSSYYHHHHHHDYDIPTTENLYFQGAMDPEFMLKNVGIDRLDVEKGRKNMSKLEKFTNCYSLSKTLRFKAIPVGKTQENIDNKRLLVEDEKRAEDYKGVKKLLDR

Bule: 6×His Red: TEV site

How to cite:（Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used）

1. Nie, Z. (2021). Construction, expression, and purification of LbCas12a protein. Bio-protocol Preprint. bio-protocol.org/prep1387.
2. Shi, K., Xie, S., Tian, R., Wang, S., Lu, Q., Gao, D., Lei, C., Zhu, H. and Nie, Z.(2021). A CRISPR-Cas autocatalysis-driven feedback amplification network for supersensitive DNA diagnostics. Science Advances 7(5). DOI: 10.1126/sciadv.abc7802

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